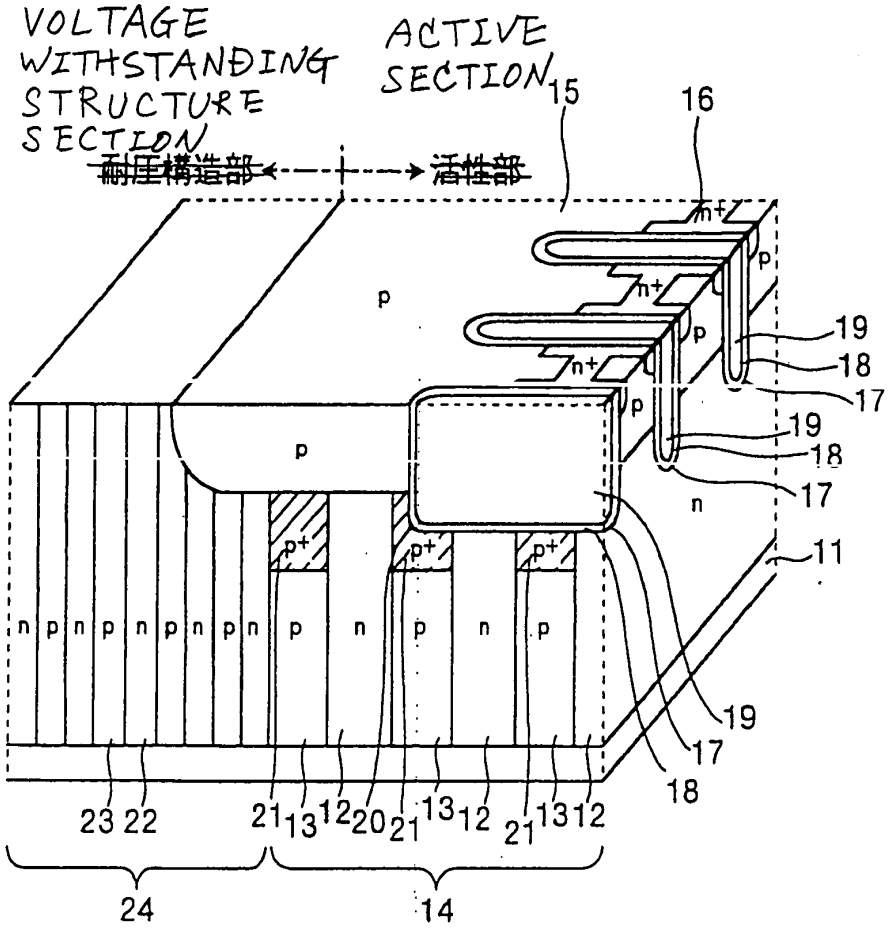
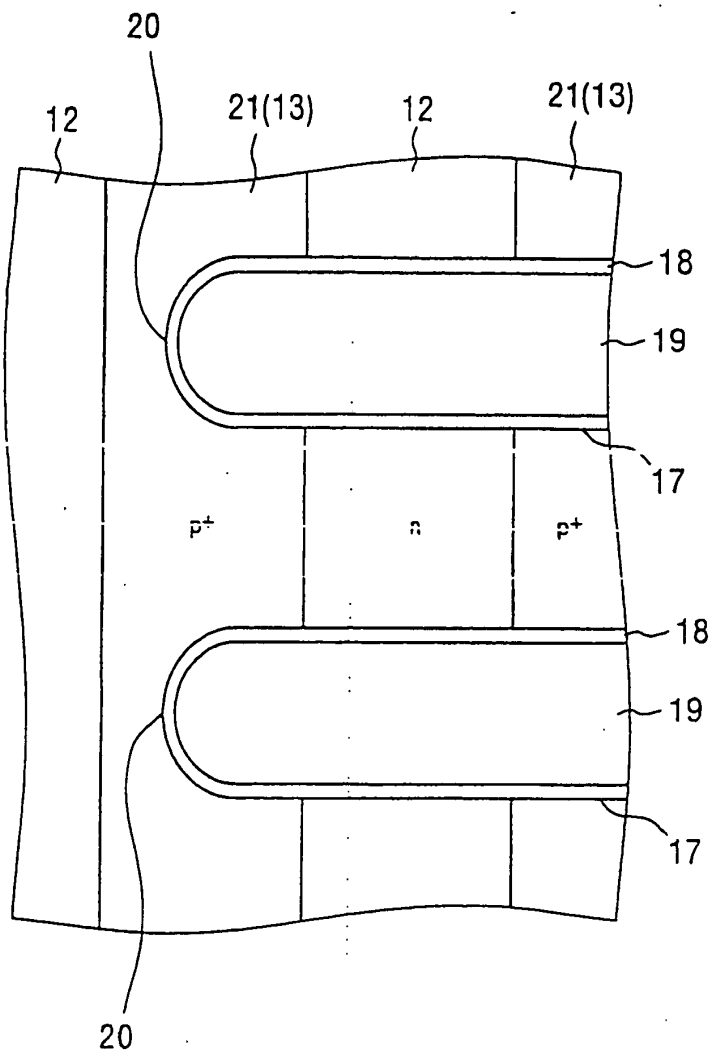
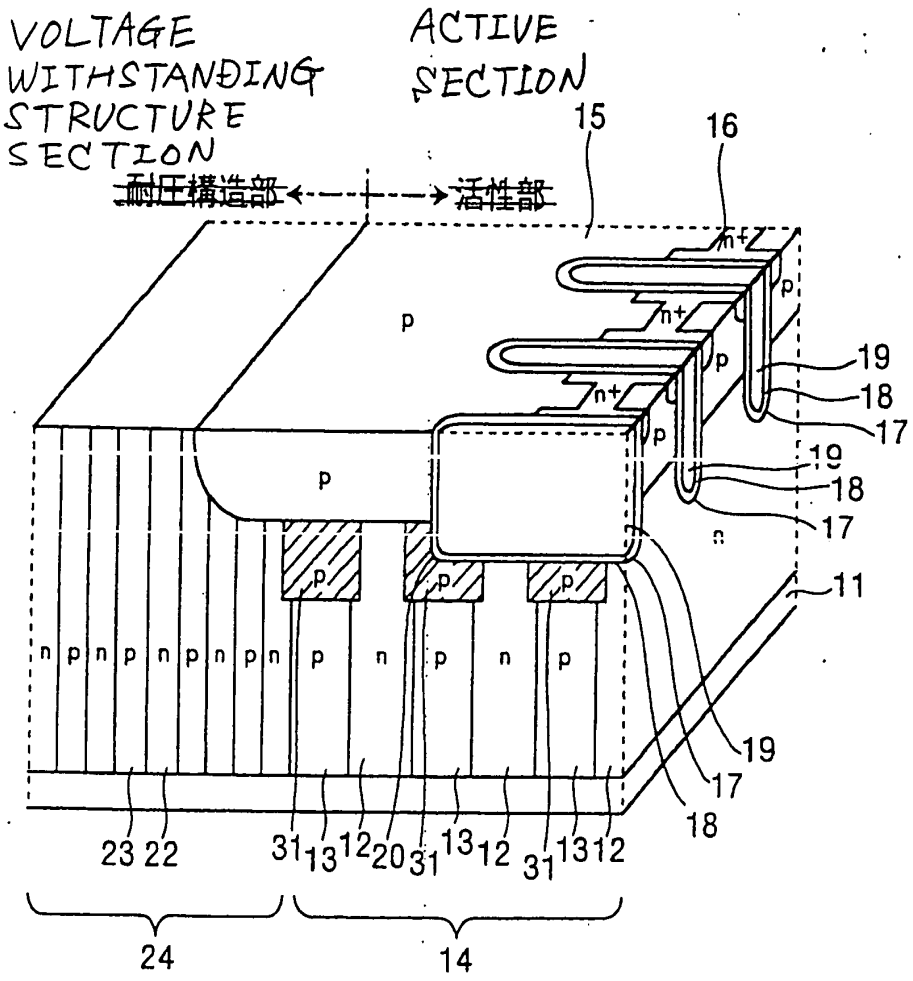
【図1】 FIG. 1


VOLTAGE WITHSTANDING STRUCTURE SECTION
ACTIVE SECTION
耐圧構造部
活性部
15
16
n+
p
19
18
17
n
p+
11
23 22
21 13 12 20 21 13 12 21 13 12
24
14

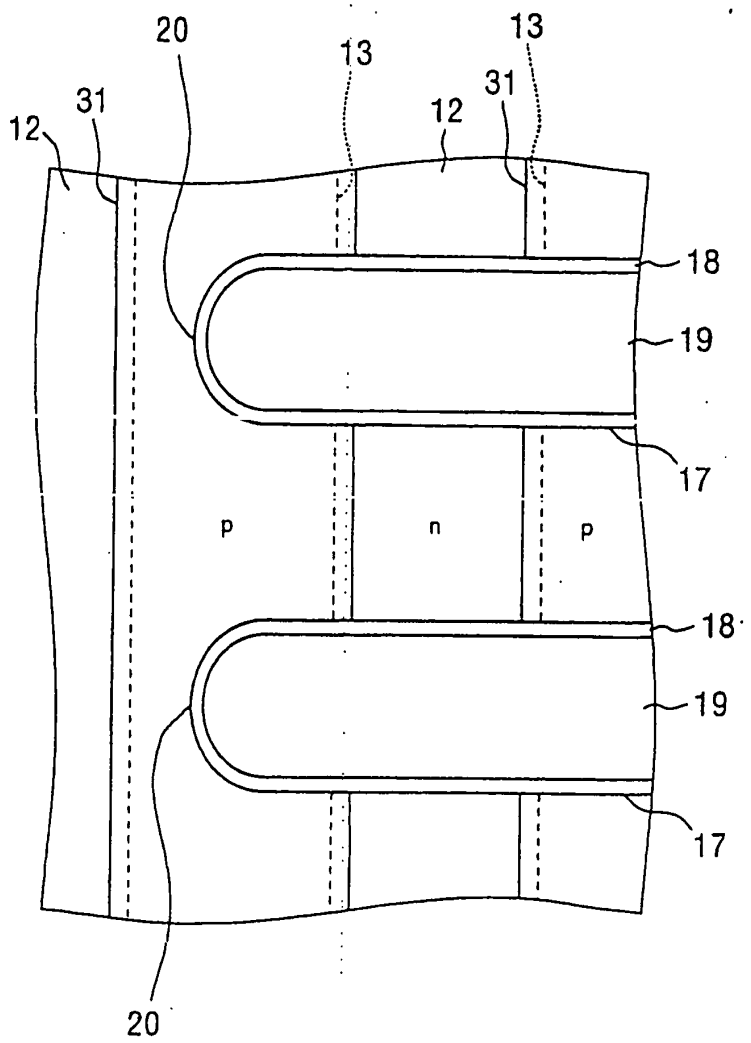
【図2】 FIG. 2



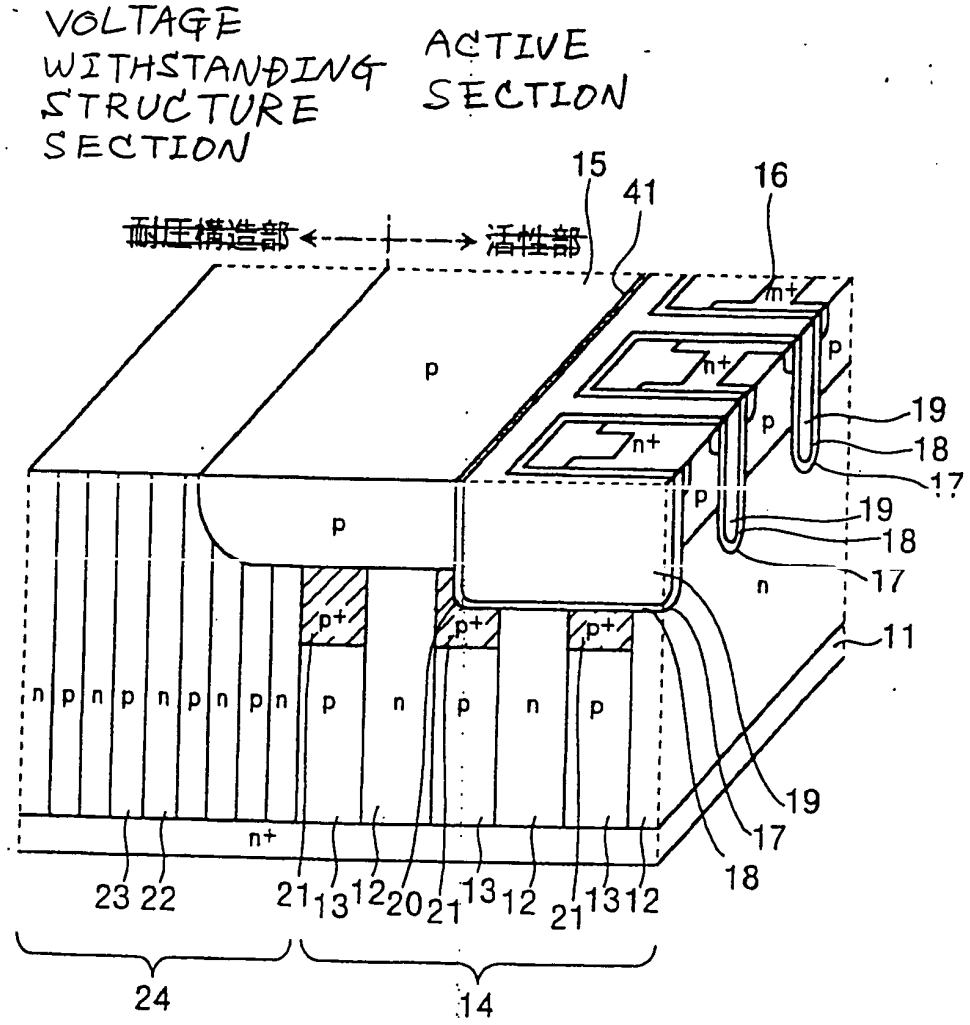
【図3】 FIG. 3


VOLTAGE WITHSTANDING STRUCTURE SECTION
ACTIVE SECTION
耐圧構造部
活性部
15
16
n+
p
19
18
17
11
n
23 22
31 13 12 20 31 13 12 31 13 12
24
14

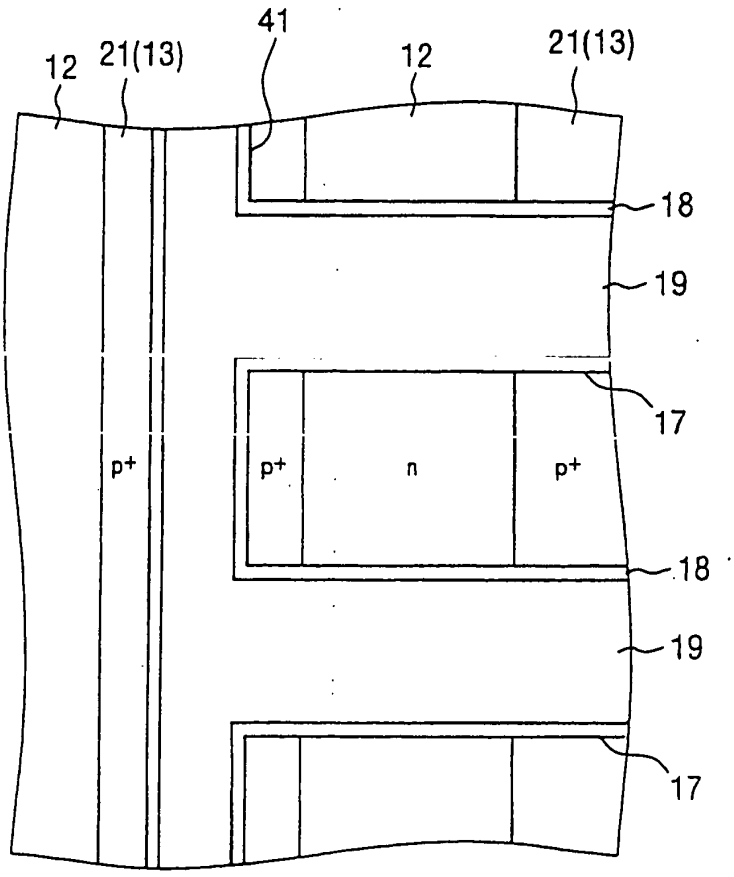
【図4】 FIG. 4



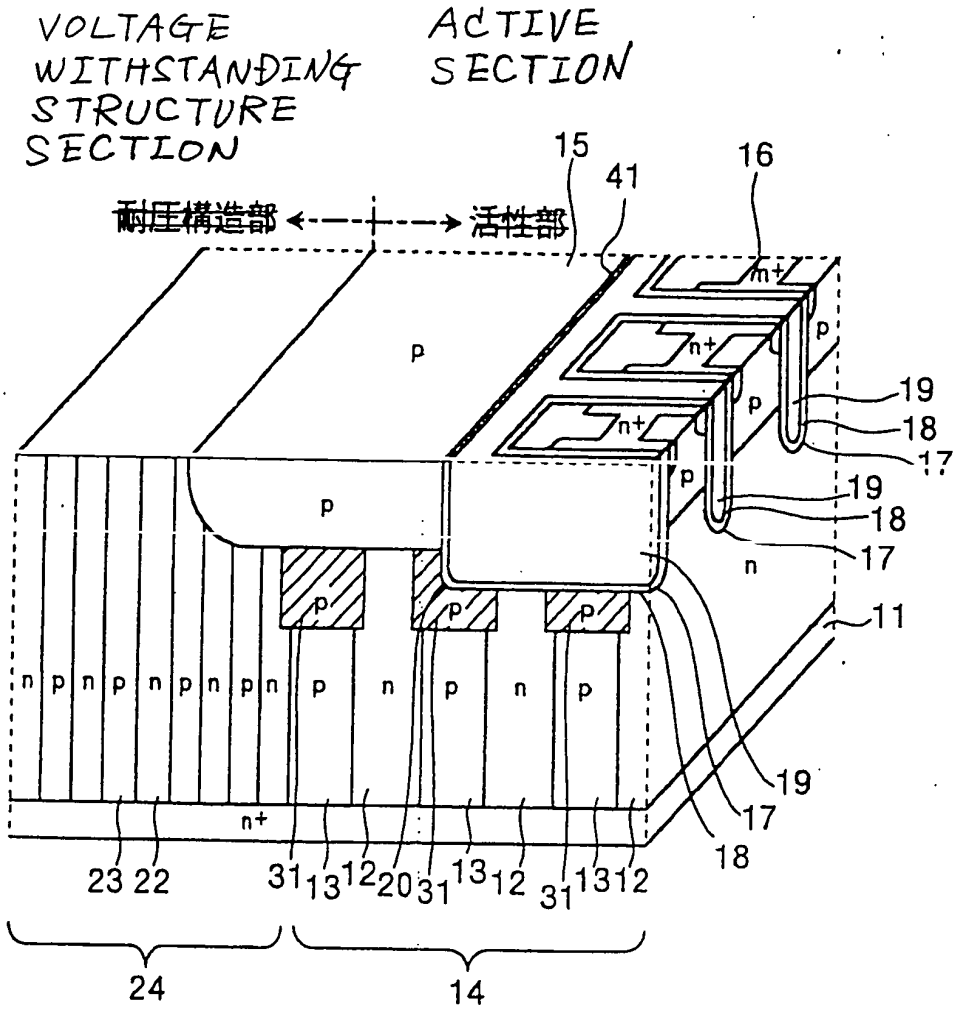
【図5】 FIG. 5


VOLTAGE WITHSTANDING STRUCTURE SECTION
ACTIVE SECTION
耐圧構造部
活性部
15
41
16
n+
p
19
18
17
11
n
p+
23 22
21 13 12 20 21 13 12 21 13 12
24
14

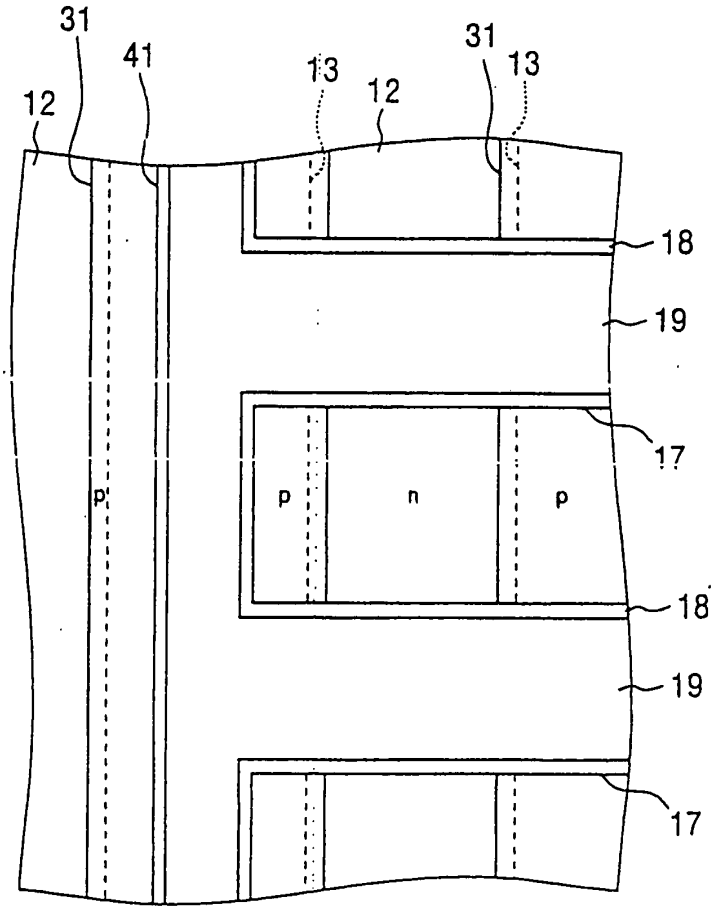
【図6】 FIG. 6



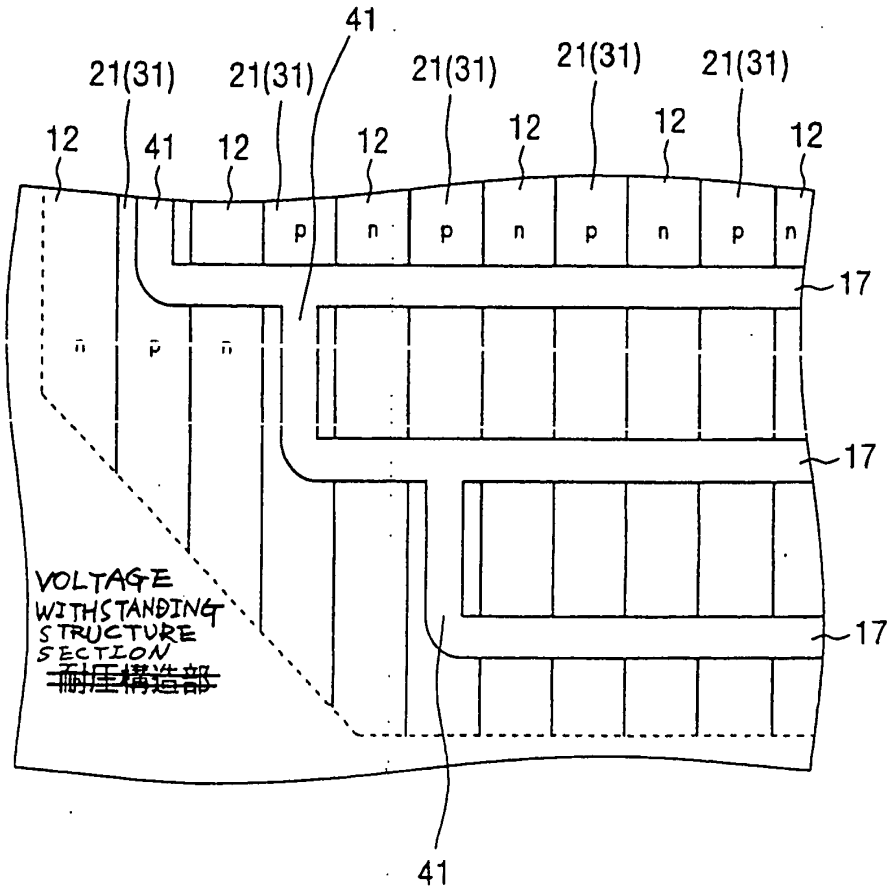
【図7】 FIG. 7


VOLTAGE WITHSTANDING STRUCTURE SECTION
ACTIVE SECTION
耐圧構造部
活性部
15
41
16
19
18
17
11
p
n
n+
23 22 31 13 12 20 31 13 12 31 13 12
24
14

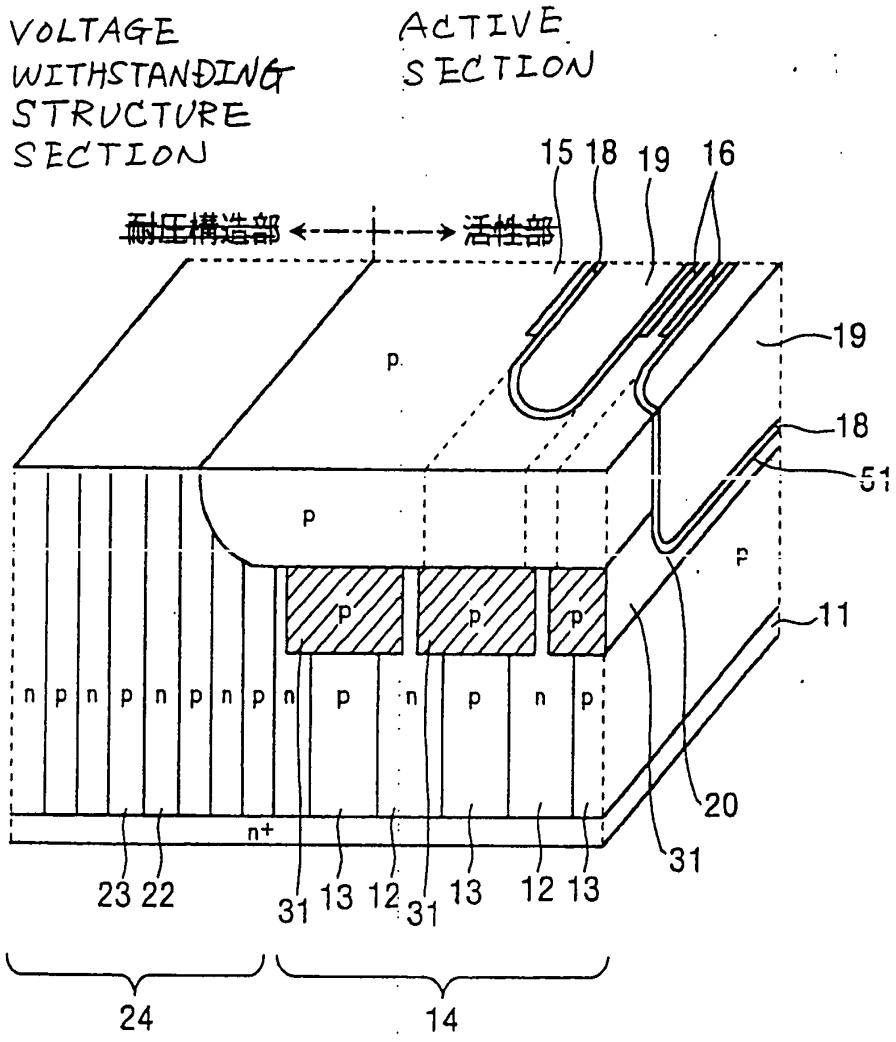
【図8】 FIG. 8



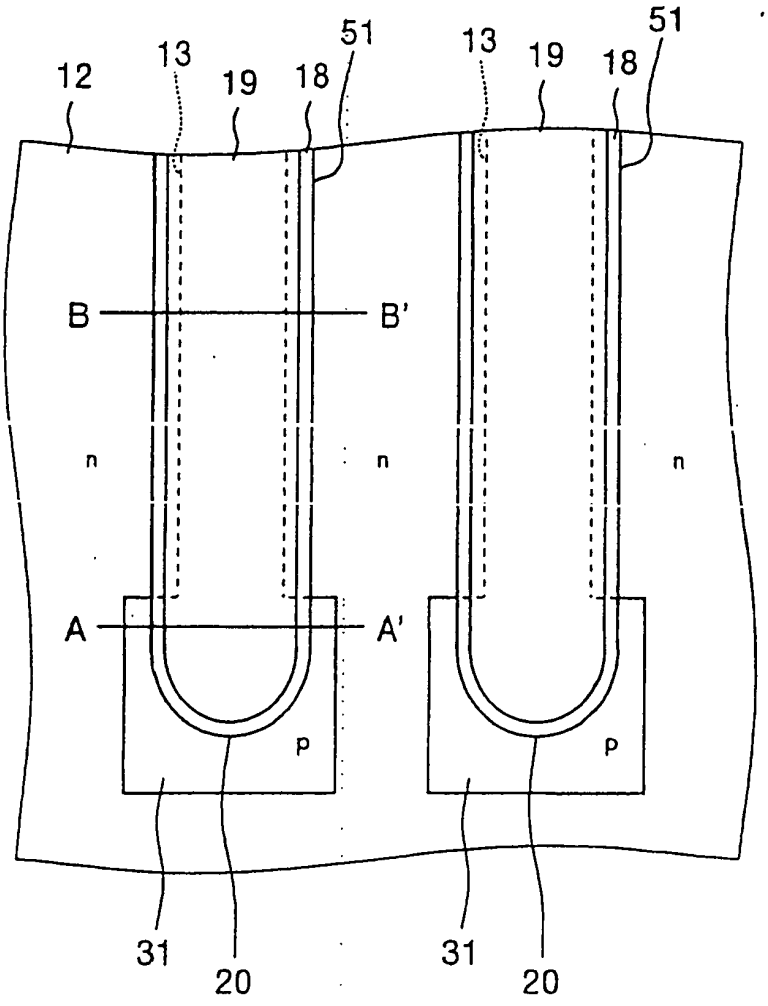
【図9】 FIG. 9


41
21(31)
21(31)
21(31)
21(31)
21(31)
12
41
12
12
12
12
12
12
p
n
p
n
p
n
p
n
17
17
17
VOLTAGE WITHSTANDING STRUCTURE SECTION
41

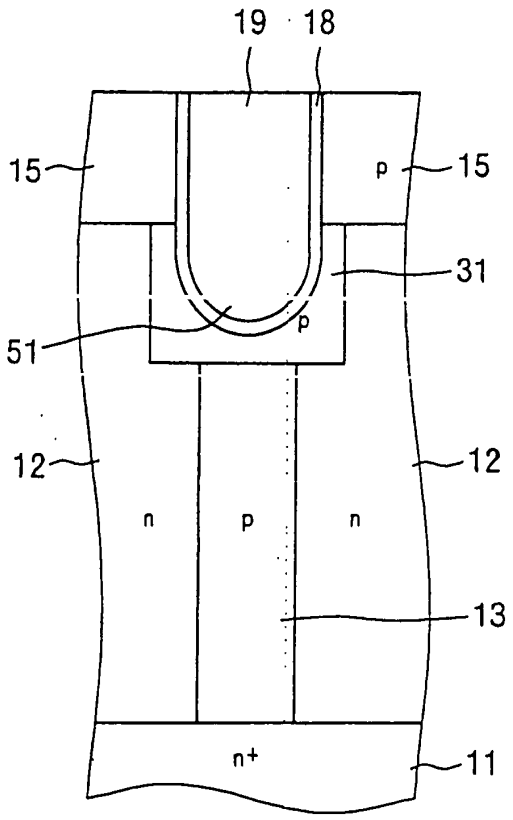
【図１０】FIG. 10


VOLTAGE WITHSTANDING STRUCTURE SECTION
ACTIVE SECTION
耐圧構造部
活性部
15
18
19
16
19
18
51
11
20
31
p
n
n+
23
22
31
13
12
31
13
12
13
24
14

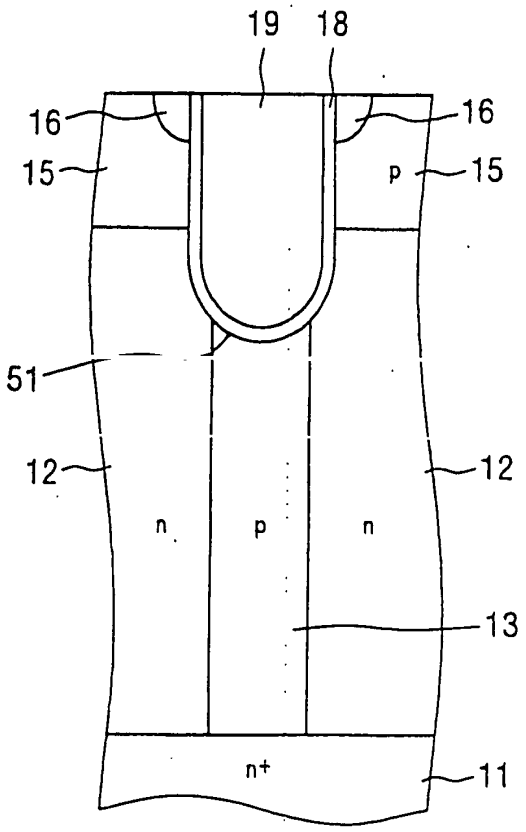
【図11】 FIG. 11



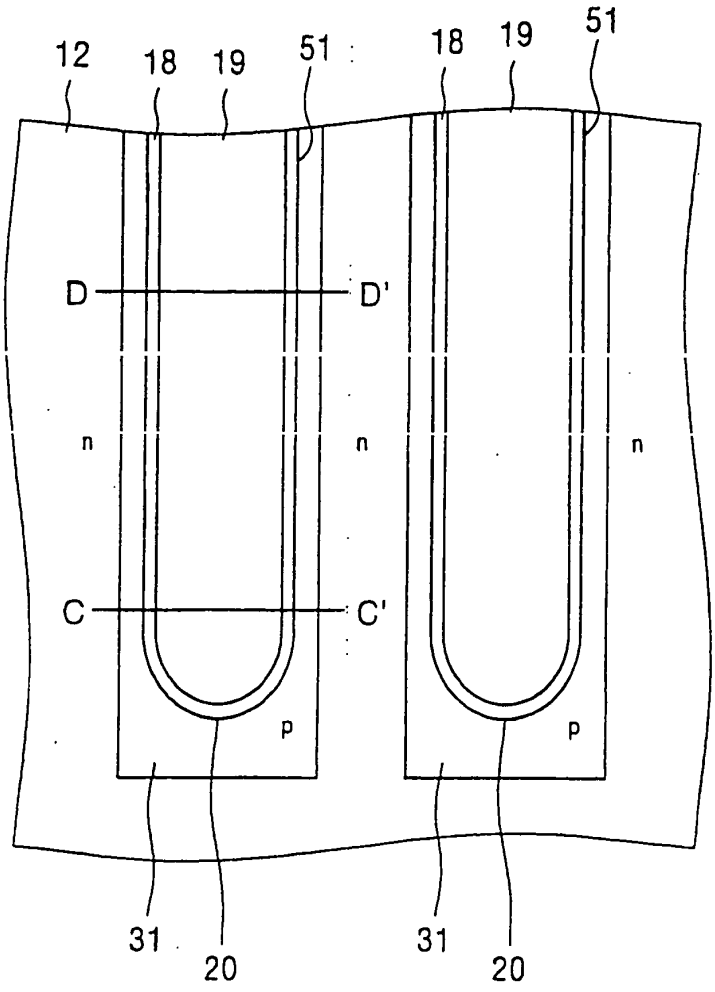
【図12】 FIG. 12



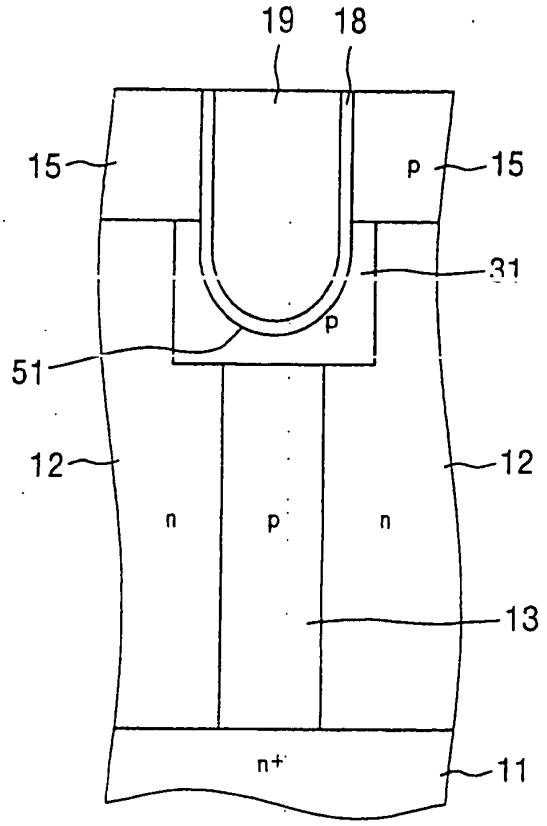
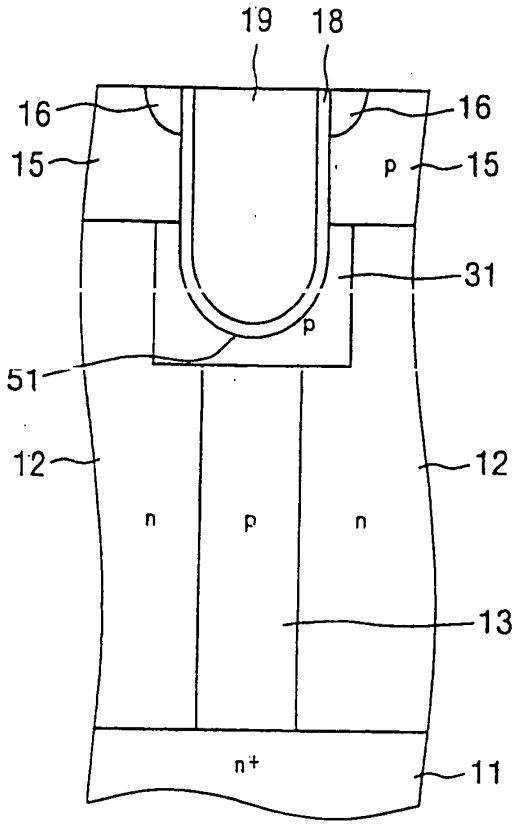
【図１３】 FIG. 13



【図14】 FIG. 14



【図15】 FIG. 15



【図16】 FIG. 16